

CONFIDENTIAL

9 *u* than the cut-off frequency, the antenna being provided with
10 means for applying a variable bias to the varactor diodes.

1 3. (amended) A sea surface antenna comprising a
2 tube of metallic material on a dielectric former, the tube
3 having a longitudinal slot coupled at [or near] its midpoint
4 to a feed line, the slot being bridged by two pluralities of
5 *Q* [capacitances] varactor diodes to either side of the feed-
6 point, each plurality being distributed along a respective
7 part of the slot, the length of the antenna being less than
8 0.25λ and the diameter of the antenna being less than 0.02
9 λ , where λ is the free space wavelength at the operating
10 frequency, the antenna being dimensioned so as to operate in
11 an evanescent mode at a resonant frequency less than the
12 cut-off frequency, the antenna being provided with means for
13 applying a variable bias to the varactor diodes.

Claim 6, line 2: delete "5" and insert -- 3 --

R E M A R K S

The claims have been amended in order to more particularly point out and distinctly claim the invention and to distinguish over the prior art cited by the Examiner. Thus, claims 1 and 3 have been amended by incorporating the limitations of claim 5 therein. Inasmuch as no new matter

CONFIDENTIAL